SEQUENCE LISTING

<110> Eli Lilly and Company

Beals, John

<120>   ERYTHROPOIETIC COMPOUNDS

<130>   X-12553

<140>   US 09/856,451

<141>   2001-05-22

<150>   PCT/US99/27801

<151>   1999-11-23

<160>   4

<170>   PatentIn version 3.0

<210>   1

<211>   168

<212>   PRT

<213>   synthetic construct

<220>

<221>   VARIANT

<222>   (1)..(1)

<223>   Xaa at position 1 is absent or Met;

<220>

<221>   VARIANT

<222>   (2)..(2)

<223>   Xaa at position 2 is absent or is Ala, Cys, Asp, Glu,
            Phe, Gly, His Ile, Leu, Met, Asn, Gln, Arg, Ser, Thr,
            Val, Trp, or Tyr

<220>

<221>   VARIANT

<222>   (26)..(26)

<223>   Xaa at position 26 is Asn, Lys or Glu;

<220>

<221>   VARIANT

<222>   (40)..(40)

<223>   Xaa at position 40 is Asn, Lys or Glu;

<220>

<221>   VARIANT

<222>   (78)..(78)

<223>   Xaa at position 78 is Arg or Glu;

<220>

<221>   VARIANT

<222>   (85)..(85)

<223>   Xaa at position 85 is Asn, Lys or Glu;

<220>

<221>   VARIANT

<222>   (90)..(90)

<223>   Xaa at position 90 is Trp, Lys, Pro, or Arg;

<220>

<221>   VARIANT

<222>   (128)..(128)

<223>   Xaa at position 128 is Ser, Thr, Lys or Glu;

<220>

<221>   VARIANT

<222>   (141)..(141)

<223>   Xaa at position 141 is Arg or Glu;

<220>

<221>   VARIANT

<222>   (156)..(156)

<223>   Xaa at position 156 is Lys or Glu; and

<220>

<221>   VARIANT

<222> (168)..(168)

<223> Xaa at position 168 is Arg, absent, or any other
      amino acid.

<400> 1

Xaa Xaa Ala Pro Pro Arg Leu Ile Cys Asp Ser Arg Val Leu Glu Arg
1   5   10   15

Tyr Leu Leu Glu Ala Lys Glu Ala Glu Xaa Ile Thr Thr Gly Cys Ala
            20   25   30

Glu His Cys Ser Leu Asn Glu Xaa Ile Thr Val Pro Asp Thr Lys Val
        35   40   45

Asn Phe Tyr Ala Trp Lys Arg Met Glu Val Gly Gln Gln Ala Val Glu
    50   55   60

Val Trp Gln Gly Leu Ala Leu Leu Ser Glu Ala Val Leu Xaa Gly Gln
65   70   75   80

Ala Leu Leu Val Xaa Ser Ser Gln Pro Xaa Glu Pro Leu Gln Leu His
                85   90   95

Val Asp Lys Ala Val Ser Gly Leu Arg Ser Leu Thr Thr Leu Leu Arg
            100   105   110

Ala Leu Gly Ala Gln Lys Glu Ala Ile Ser Pro Pro Asp Ala Ala Xaa
            115   120   125

Ala Ala Pro Leu Arg Thr Ile Thr Ala Asp Thr Phe Xaa Lys Leu Phe
130   135   140

Arg Val Tyr Ser Asn Phe Leu Arg Gly Lys Leu Xaa Leu Tyr Thr Gly
145   150   155   160

Glu Ala Cys Arg Thr Gly Asp Xaa
                165

<210> 2

<211> 193

<212> PRT

<213> Homo sapiens

<400> 2

Met	Gly	Val	His	Glu	Cys	Pro	Ala	Trp	Leu	Trp	Leu	Leu	Leu	Ser	Leu
1				5					10					15	

Leu	Ser	Leu	Pro	Leu	Gly	Leu	Pro	Val	Leu	Gly	Ala	Pro	Pro	Arg	Leu
			20					25					30		

Ile	Cys	Asp	Ser	Arg	Val	Leu	Glu	Arg	Tyr	Leu	Leu	Glu	Ala	Lys	Glu
		35					40					45			

Ala	Glu	Asn	Ile	Thr	Thr	Gly	Cys	Ala	Glu	His	Cys	Ser	Leu	Asn	Glu
	50					55					60				

Asn	Ile	Thr	Val	Pro	Asp	Thr	Lys	Val	Asn	Phe	Tyr	Ala	Trp	Lys	Arg
65					70					75					80

Met	Glu	Val	Gly	Gln	Gln	Ala	Val	Glu	Val	Trp	Gln	Gly	Leu	Ala	Leu
				85					90					95	

Leu	Ser	Glu	Ala	Val	Leu	Arg	Gly	Gln	Ala	Leu	Leu	Val	Asn	Ser	Ser
			100					105					110		

Gln	Pro	Trp	Glu	Pro	Leu	Gln	Leu	His	Val	Asp	Lys	Ala	Val	Ser	Gly
		115					120					125			

Leu	Arg	Ser	Leu	Thr	Thr	Leu	Leu	Arg	Ala	Leu	Gly	Ala	Gln	Lys	Glu
	130					135					140				

Ala	Ile	Ser	Pro	Pro	Asp	Ala	Ala	Ser	Ala	Ala	Pro	Leu	Arg	Thr	Ile
145					150					155					160

Thr	Ala	Asp	Thr	Phe	Arg	Lys	Leu	Phe	Arg	Val	Tyr	Ser	Asn	Phe	Leu
				165					170					175	

Arg	Gly	Lys	Leu	Lys	Leu	Tyr	Thr	Gly	Glu	Ala	Cys	Arg	Thr	Gly	Asp
			180					185					190		

Arg

<210> 3

<211> 498

<212> DNA

<213> synthetic construct

<220>

<221> CDS

<222> (1)..(495)

<400> 3
gct cca cca cgt ctt att tgt gat tct cgt gtt ctt gaa cgt tac ctg
  48
Ala Pro Pro Arg Leu Ile Cys Asp Ser Arg Val Leu Glu Arg Tyr Leu

1   5   10   15

ctg gaa gct aaa gaa gct gaa aac atc acc acc ggt tgc gct gaa cac
  96
Leu Glu Ala Lys Glu Ala Glu Asn Ile Thr Thr Gly Cys Ala Glu His

              20   25   30

tgc tcc ctg aac gaa aac atc acc gtt ccg gac acc aaa gtt aac ttc
144
Cys Ser Leu Asn Glu Asn Ile Thr Val Pro Asp Thr Lys Val Asn Phe

          35   40   45

tac gct tgg aaa cgt atg gaa gtt ggt cag cag gct gtt gaa gtt tgg
192
Tyr Ala Trp Lys Arg Met Glu Val Gly Gln Gln Ala Val Glu Val Trp

      50   55   60

cag ggt ctg gct ctg ctg tcc gaa gct gtt ctg cgt ggt cag gct ctg
240
Gln Gly Leu Ala Leu Leu Ser Glu Ala Val Leu Arg Gly Gln Ala Leu

65   70   75   80

ctg gtt aac tcc tcc cag ccg tgg gaa ccg ctg cag ctg cac gtt gac
288
Leu Val Asn Ser Ser Gln Pro Trp Glu Pro Leu Gln Leu His Val Asp

              85   90   95

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aaa gct gtt tcc ggt ctg cgt tcc ctg acc acc ctg ctg cgt gct ctg
336
Lys Ala Val Ser Gly Leu Arg Ser Leu Thr Thr Leu Leu Arg Ala Leu
          100                 105                 110


ggt gct cag aaa gaa gct atc tcc ccg ccg gac gct gct tcc gct gct
384
Gly Ala Gln Lys Glu Ala Ile Ser Pro Pro Asp Ala Ala Ser Ala Ala
          115                 120                 125


ccg ctg cgt acc atc acc gct gac acc ttc cgt aaa ctg ttc cgt gtt
432
Pro Leu Arg Thr Ile Thr Ala Asp Thr Phe Arg Lys Leu Phe Arg Val
          130                 135                 140


tac tcc aac ttc ctg cgt ggt aaa ctg aaa ctg tac acc ggt gaa gct
480
Tyr Ser Asn Phe Leu Arg Gly Lys Leu Lys Leu Tyr Thr Gly Glu Ala
145                 150                 155                 160


tgc cgt acc ggt gac tga
498
Cys Arg Thr Gly Asp
          165
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<210> 4

<211> 165

<212> PRT

<213> synthetic construct

<400> 4

Ala Pro Pro Arg Leu Ile Cys Asp Ser Arg Val Leu Glu Arg Tyr Leu

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1                    5                    10                             15


Leu Glu Ala Lys Glu Ala Glu Asn Ile Thr Thr Gly Cys Ala Glu His
             20                  25                  30


Cys Ser Leu Asn Glu Asn Ile Thr Val Pro Asp Thr Lys Val Asn Phe
             35                  40                  45


Tyr Ala Trp Lys Arg Met Glu Val Gly Gln Gln Ala Val Glu Val Trp
         50              55                  60


Gln Gly Leu Ala Leu Leu Ser Glu Ala Val Leu Arg Gly Gln Ala Leu
65                  70                  75                  80


Leu Val Asn Ser Ser Gln Pro Trp Glu Pro Leu Gln Leu His Val Asp
                 85                  90                  95


Lys Ala Val Ser Gly Leu Arg Ser Leu Thr Thr Leu Leu Arg Ala Leu
             100                 105                 110


Gly Ala Gln Lys Glu Ala Ile Ser Pro Pro Asp Ala Ala Ser Ala Ala
         115                 120                 125


Pro Leu Arg Thr Ile Thr Ala Asp Thr Phe Arg Lys Leu Phe Arg Val
     130                 135                 140


Tyr Ser Asn Phe Leu Arg Gly Lys Leu Lys Leu Tyr Thr Gly Glu Ala
145                 150                 155                 160


Cys Arg Thr Gly Asp
                 165
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